

SYSTEM AND METHOD FOR TREATING PARKINSON'S DISEASE AND OTHER MOVEMENT DISORDERS

ABSTRACT OF THE DISCLOSURE

Systems and methods for treating movement disorders using cortical stimulation. In one embodiment, a method for treating movement disorders comprises determining a site at the cortex of the brain of a patient related to a movement disorder of an afflicted body part. The site can be determined by obtaining a representation of neural activity occurring in the cortex of the patient and correlating an area of neural activity with the afflicted body part. The method can also include applying neural stimulation, such as electrical or magnetic waveforms, directly to the site.